

Monday, August 27, 2018

Attn: Mr. Keith Gammell Barnhardt Mfg. Co. 247 Main Rd P.O. Box 3 Colrain, MA 01340

Project ID: NPDES BI-MONTHLY Sample ID#s: CB16784 - CB16785

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis/Shiller

Laboratory Director

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #M-CT007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 UT Lab Registration #CT00007 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 27, 2018

FOR: Attn: Mr. Keith Gammell

Barnhardt Mfg. Co.

247 Main Rd P.O. Box 3

Colrain, MA 01340

Sample InformationCustody InformationDateTimeMatrix:WASTE WATERCollected by:08/22/187:00Location Code:BARNHARDReceived by:CP08/22/1816:06

Rush Request: Standard Analyzed by: see "By" below

P.O.#: G9811

aboratory Data SDG ID: GCB16784

Phoenix ID: CB16784

Project ID: NPDES BI-MONTHLY

Client ID: EFFLUENT

RL/ Parameter Result **PQL** Units Dilution Date/Time Reference Βy Nitrite-N 0.029 0.010 mg/L 1 08/22/18 20:30 MC E353.2 Nitrate-N 4.63 0.10 mg/L 5 MC E353.2 08/22/18 20:27 Nitrogen Tot Kjeldahl 6.05 0.50 mg/L 5 08/24/18 WHM E351.1 Total Nitrogen 10.7 0.10 mg/L 08/24/18 WHM SM4500NH3/E300.0-97

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

August 27, 2018

Reviewed and Released by: Bobbi Aloisa, Vice President



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247 Main Rd P.O. Box 3

Colrain, MA 01340

Sample InformationCustody InformationDateTimeMatrix:WASTE WATERCollected by:08/22/1813:00Location Code:BARNHARDReceived by:CP08/22/1816:06

Rush Request: Standard Analyzed by: see "By" below

P.O.#: G9811 Laboratory Data

SDG ID: GCB16784

Phoenix ID: CB16785

Project ID: NPDES BI-MONTHLY

Client ID: EFFLUENT

RL/

Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	Reference
Organic Nitrogen	4.6	0.5	mg/L	5	08/24/18	WHM	E350.1/E350.2

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

August 27, 2018

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QA/QC Report

August 27, 2018

QA/QC Data

SDG I.D.: GCB16784

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 444612 (mg/L), QC Sample No: CB16106 (CB16784)													
Nitrogen Tot Kjeldahl Comment:	BRL	0.10	0.69	0.64	7.50	102			93.0			85 - 115	20
TKN is reported as Organic Nitrogen in the Blank, LCS, DUP and MS.													
QA/QC Batch 444617 (mg/L), QC Sample No: CB16702 (CB16785)													
Organic Nitrogen Comment:	BRL	0.10	8.14	8.55	4.90	102			89.0			85 - 115	20
TKN is reported as Organic Nitrogen in the Blank, LCS, DUP and MS.													
QA/QC Batch 444475 (mg/L), QC Sample No: CB16853 (CB16784)													
Nitrate-N	BRL	0.02	< 0.02	< 0.02	NC	103			106			90 - 110	20
Nitrite-N	BRL	0.01	<0.010	<0.01	NC	98.0			98.8			90 - 110	20

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

August 27, 2018

Monday, August 27, 2018

Sample Criteria Exceedances Report GCB16784 - BARNHARD

Criteria: None State: MA

RL Analysis SampNo Acode Phoenix Analyte Criteria Units

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

^{***} No Data to Display ***



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Analysis Comments

August 27, 2018 SDG I.D.: GCB16784

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

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Environmental Laboratories, Inc Customer: Sanhard F Address: 20 Box 3	Signature Signature Signature Signature Matrix Code: DW=Drinking Water GW=Ground Water SW=Surface Water Ww=Waste Water RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Soild W=Wipe OIL=Oil B=Bulk L=Liquid HOENIX USE ONLY Customer Sample Matrix Sampled Sample Sample # Customer Sample Matrix Sampled Sample Sample # Customer Sample Matrix Sampled Sample Matrix Sampled Sample Matrix Sampled Sample SAMPLE# Customer Sample Matrix Sampled Sample Matrix Sampled Sample SAMPLE# Customer Sample Matrix Sampled Sample Sample Date Matrix Sampled Sample Sample Date Matrix Sampled Sample SAMPLE# Customer Sample Matrix Sampled Sample SAMPLE# Customer Sample Matrix Sampled Sample SAMPLE# MW @22-18 (PVT) Customer Sample Matrix Sampled Sample SAMPLE# MW @22-18 (PVT) Customer Sample Matrix Sampled Sample Sample Date Matrix Sampled Sam	Comments, Special Requirements or Regulations:
Environme Customer: 1	Sampler's Signature Matrix Code: DW=Drinking Water RW=Raw Water SE B=Bulk L=Liquid PHOENIX USE ONLY SAMPLE#	Relinquished by.